

RESUME
for
Shuya Abe

June 16, 1970

Born, 1932 at Miyagi Prefecture, Japan

2 degrees from Tohoku University: Experimental Physics
Communications Engineering

Presently Assistant Director of research and development
at Tokyo Broadcasting System, the largest commercial
Television network in Japan serving 96 local stations.

1957 Improved the scoop light of lighting instruments. This is now the standard in Japanese TV lighting.

1959 Service, repairs, improvements in 4 head VTR's. His improvements in VTR drop-out compensation are now being used in the Ampex 2000 VTR's. Phillips Helical VTR is now using another of his devices. (Since TBS didnot file the patent at that time, he cannot charge the fee from above corporations, Improved tele-cine equipment. DeVised the (who developed moving-wipe special effect generator. independently).

1962 Designed and manufactured a broadcast-quality vidicon camera. Mr. Abe designed the circuitry from scratch effecting these improvements:
2/3 less tubes
1/2 consumption of electricity
30% greater definition = 800 lines
8 pieces of this camera were produced at TBS and more were sold to other TV stations. All 8 cameras are still in service and he won a special prize from TBS's president in engineering. Mr. Abe also designed and engineered a transistor pulse distribution amplifier. It is now manufactured and exported as a standard pulse DA by N.E.C., an electronic concern.

1963 Designed and engineered a sync-generator (mono-chrome) which is now mass-produced for ITV sync-generator from Japan Victor Co.

1964 In collaboration with Mr. Morita, Mr. Abe

made an adapter making it possible to broadcast helical scan material. This device has been adopted by Japan Victor and is being sold as standard equipment.

- 1965 Designed and manufactured full scale 2 head VTR (broadcast quality) with two other colleagues.
- 1966 Made this VTR into color VTR and had a successful press preview.
- 1967 Began to use this 2 head VTR for broadcasting.
- 1968-69 5 more models were produced. It is one of the best helical VTR's now being produced, in the world...most likely the best one.
- 1970 Mr. Abe is currently designing Video cassette systems.

Mr. Abe is considered one of the two best engineers in Tokyo Broadcasting System in a staff of 250 engineers. He now has 2 patents pending. He has contributed to the official handbook of the Japanese Academy in Television Engineering. He has been Mr. Nam June Paik's chief engineer for all of the experiments since 1963.

2 U.S. Patent pending

4 Japanese patent pending

a dozens of articles are published in the technical magazines..